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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(use as many sheets as necessary)*

Sheet

1

of

2

**Complete if Known****Application Number**

**10/044,013**

**Filing Date**

October 26, 2001

**First Named Inventor**

**Nabil R. Yousef**

### Group Art Unit

2631

Examiner Name

Attorney Docket Number

BP 1914

## U.S. PATENT DOCUMENTS

[illegible]

## FOREIGN PATENT DOCUMENTS

[illegible]

**Examiner  
Signature**

Phosphorus

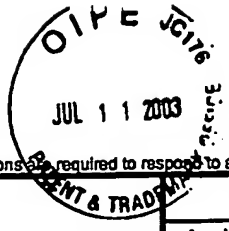
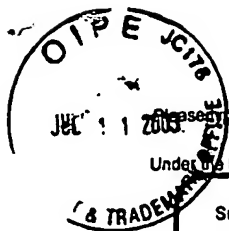
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PTO/SB/088 (10-96)  
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	2	of	2	Application Number	10/044,013
				Filing Date	October 26, 2001
				First Named Inventor	Nabil R. Yousef
				Group Art Unit	2631
				Examiner Name	
				Attorney Docket Number	BP 1914

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
PP		KAILATH, SAYED: "Displacement structure: theory and applications" SIAM REVIEW, vol. 37, no. 3, September 1995 (1995-09), pages 297-386, XP002189613 New York, US	
PP		SAILER: "Decision feedback equalization for powerline and HIPERLAN" DISSERTATION SUBMITTED TO THE SWISS FEDERAL INSTITUTE OF TECHNOLOGY, ZURICH, FOR THE DEGREE OF DOCTOR OF TECHNICAL SCIENCES, 11 April 2001, pages 1-126, XP002189615, Zurich CD	
PP		CHUN, KAILATH: "Generalized displacement structure for block-Toeplitz, Toeplitz-block, and Toeplitz-derived matrices" NATO ASI SERIES, vol. F70, 1991, pages 215-236, XP000852863 Berlin, DE ISSN: 0258-1248,	
PP		CIOFFI, KAILATH: "Fast, recursive-least-squares transversal filters and adaptive filtering" IEEE TRANSACTIONS ON ACOUSTICS, SPEECH AND SIGNAL PROCESSING, vol. 32, no. 2, April 1984, pages 304-337, XP008015403, New York, US	
PP		LJUNG ET AL.: "Fast calculation of gain matrices for recursive estimation schemes" INTERNATIONAL JOURNAL OF CONTROL, vol. 27, no. 1, January 1978, pages 1-19, XP008002548, BASINGSTOKE, GB, ISSN: 0020-7179	
PP		AL-DHAHIR CIOFFI: "MMSE decision feedback equalizers: finite-length results" IEEE TRANSACTIONS ON INFORMATION THEORY, vol. 41, no. 4, July 1995, pages 961-975, XP002190789, New York, US	

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Examiner Signature	Phung Phun	Date Considered	3/8/05
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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 1

### Complete if Known

Application Number 10/044,018  
Filing Date October 26, 2001  
First Named Inventor Nabil R. Younis  
Group Art Unit 2631  
Examiner Name  
Attorney Docket Number BP 1914

### OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS

Examiner Initials <sup>1</sup>	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.
PP		NAOFAL AL-DHAHIR and JOHN M. CIOFFI, Fast Computation of Channel-Estimate Based Equalizers in Packet Data Transmission, IEEE Transactions on Signal Processing, Vol. 43, No. 11, pp. 2462-2473, November 1995.
PP		NAOFAL AL-DHAHIR and ALI H. SAYED, A Computationally-Efficient FIR MMSE-DFE for Multi-User Communications, Signals, Systems, and Computers. Conference Record of the Thirty-Third Asilomar Conference on, Volume 1, 1999, pp. 207-209.
PP		NAOFAL AL-DHAHIR and ALI H. SAYED, CORDIC-Based MMSE-DFE Coefficient Computation, Digital Signal Processing Journal, vol. 9, no. 3, pp. 178-194, July 1999.
PP		NAOFAL AL-DHAHIR and ALI H. Sayed, The Finite-Length Multi-Input Multi-Output MMSE-DFE, IEEE Transactions on Signal Processing, Vol. 48, No. 10, pp. 2921-2936, October 2000.
PP		NAOFAL AL-DHAHIR and ALI H. SAYED, A Computationally-Efficient FIR MMSE-DFE for Multi-User Communications, Signals, Systems, and Computers. Conference Record of the Thirty-Fourth Asilomar Conference on, Volume 2, 2000 pp. 1867-1871.

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